



poisoning news in the media!!!

Poisoning

At least 140 students who suffered food poisoning after eating expired bread are undergoing treatment in Bar-

tion Willie Machocho on Tuesday said learners from Kituro High School in Baringo Central ache and stomach upset after having breakfast on Monday

The students then informed at Kituro Dispensary for treat-

"They were rushed to the nearest dispensary for treatment and were discharged, said Mr Machocho.

He also said another group cases of stomach upset and headache and were rushed to the dispensary for treatment but their condition did not

because of the ongoing countrywide nurses' strike that had

with the institution's board of governors and parents who advised the school to allow stu-

III They inform school management about situation and are rushed to dispensary

M Tests conducted at the facility and government laboratories indicate food

M Another group of 130 students reports stomach

upset and headache They are taken to



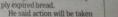
dispensary but condition

"The facility was not able to handle the high number of learners and some required further examination and treatment. That is why the manage ment decided to release them.' said Machocho

He dismissed rumours doing

The school, he said had clean drinking water and public health officers inspect food supplied to the institution.

But he accused the school of allowing the contractor to sup-





## The burden of foodborne diseases is substantial

Every year foodborne diseases cause:



33 million

Foodborne diseases can be deadly, especially in children <5





1/3
of deaths from foodborne diseases

**FOODBORNE DISEASES ARE PREVENTABLE.** 

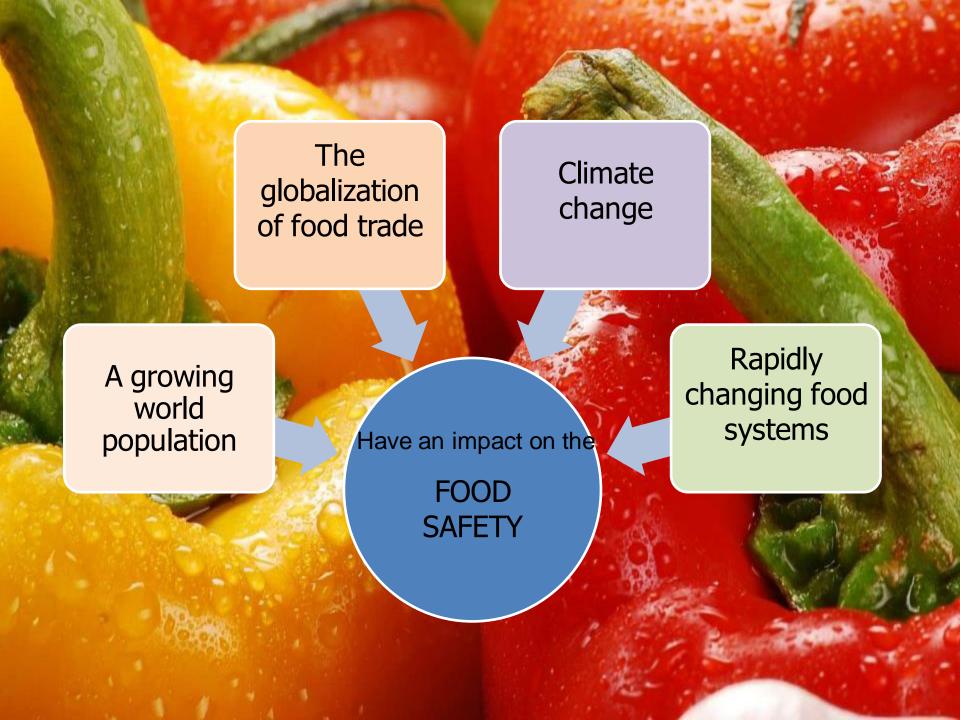
EVERYONE HAS A ROLE TO PLAY.

For more information: www.who.int/foodsafety

#SafeFood

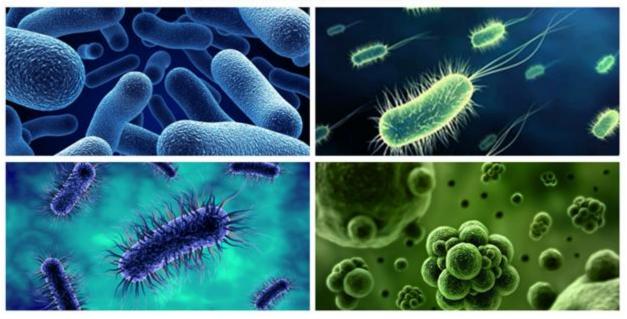
Source: WHO Estimates of the Global Burden of Foodborne Diseases. 2015





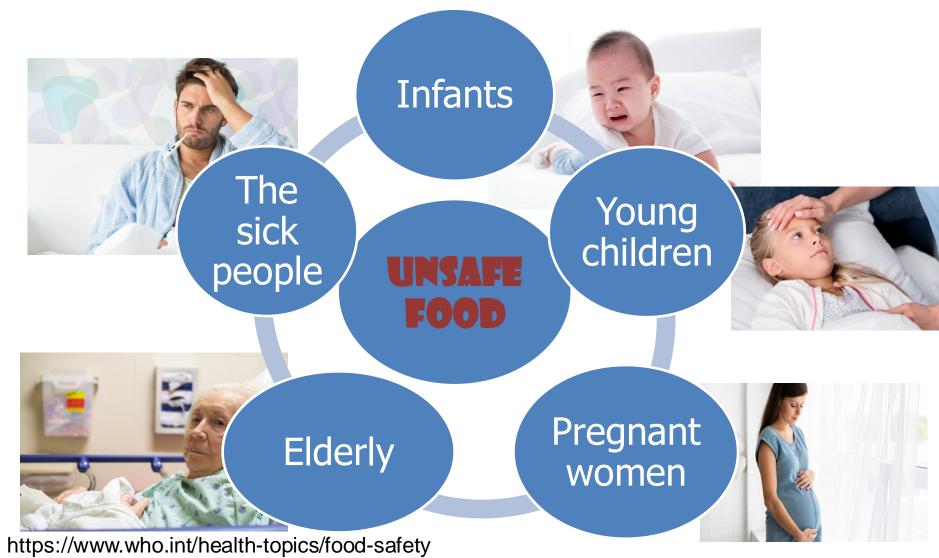
**UNSAFE FOOD** containing harmful bacteria, viruses, parasites, or chemical substances can cause more than 200 different diseases—ranging from diarrhea to cancers.

#### **MICROORGANISMS**



https://www.who.int/health-topics/food-safety

# **UNSAFE FOOD** creates a vicious cycle of disease and malnutrition



## SAFE FOOD

#### Has not lost its nutritional value

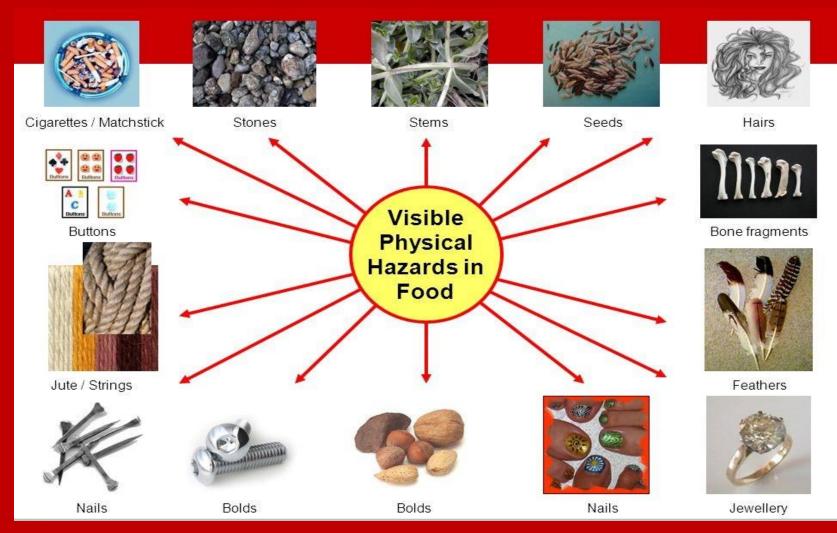


Physical hazards

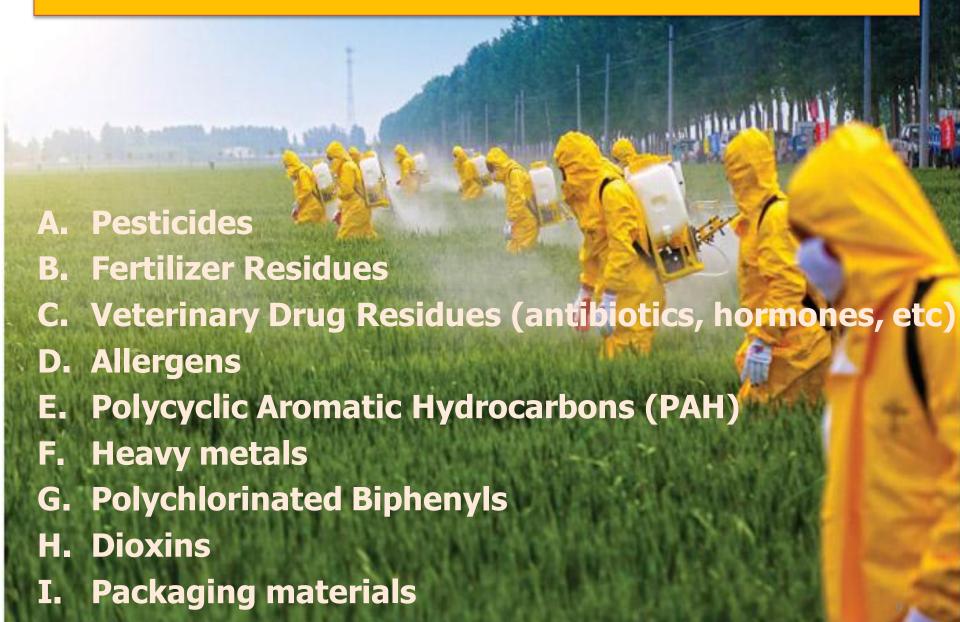
**Chemical hazards** 

**Biological hazards** 

## 1-PHYSICAL HAZARDS



### 2-CHEMICAL HAZARDS



## 3-BIOLOGICAL HAZARDS

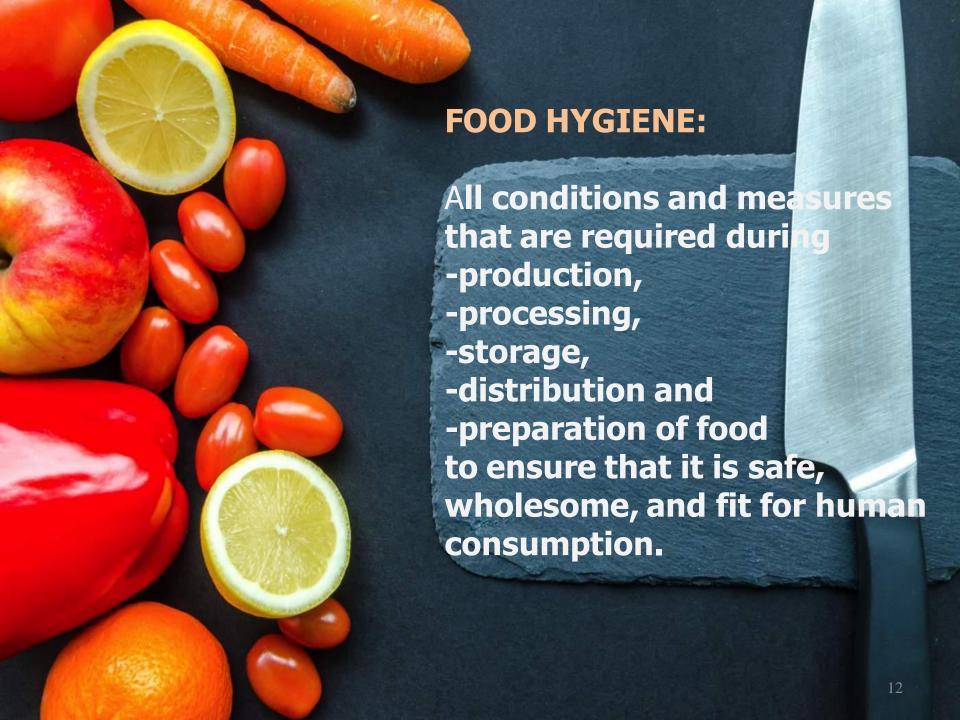


## How do we ensure food safety?









#### FOOD HYGIENE

















PURCHAISING STORAGE

PREPARING/ COOKING

**SERVICE** 





1. A shopping list should be prepared.



2. Market price research should be done.



3. Healthy foods should be chosen.

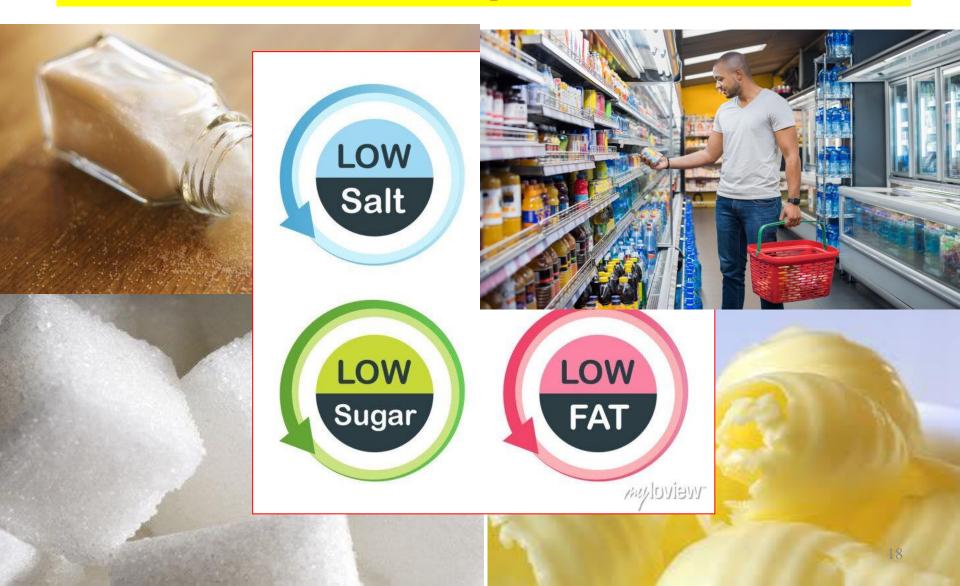


- \*Natural and fresh foods should be chosen.
- \*Freshly squeezed fruit juices, milk, and lemonade should be preferred instead of ready-made fruit juices and carbonated-sugar drinks.
- \*Instead of raw milk, pasteurized or long-life milk (UHT) should be purchased.



- \*Unpurified and enriched grain products should be preferred. Example: Whole wheat bread instead of white bread.
- \*Cheese made from raw milk, not in brine and unripe should not be purchased.
- \*Perishable and frozen foods should be bought at the end of the shopping.

# Foods low in fat, sugar, and salt should be preferred.





Food additives should be added to the foods in the allowed quantities by WHO/FAO.

Additives can cause allergic reactions like skin flushing, swelling

Foods containing food additives should not be fed to young children.

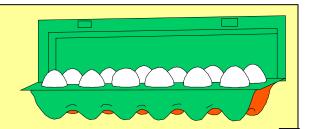
### **SOME FOOD CONTROL CRITERIAS...**

#### 1.MEATS

Freshness, fat content, colour of meat, buying from reliable grocery store or butcher.

#### 2.EGGS

Cleanliness of the eggshell, no cracks, freshness, and size of the egg.



#### 3.LEGUMES

Not having mold, insects, and any other foreign materials, being the product of that year, cooking easily

#### **4.FRUITS & VEGETABLES**

Freshness, size, free of mud, dust, soil, weeds, not being rotten, and bruised, not having bad taste, and not having bad flavor

#### 5.DAIRY

Freshness, not having sourness, well-fermented, appropriate packaged, free of foreign matters

#### 6.CEREALS

Being a new crop, whether there is mold and foreign matters or not and other criteria specific to related cereal/grain

#### 7.0ILS

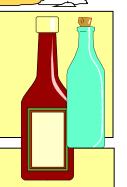
Not having bad flavor, not having bad smell, having appropriate color

#### 8.JAMS

Fruit ratio, consistency, candy state, natural taste, flavor

#### 9.CANNED FOODS

Tightly sealed, not having any leaks, not being rusted, swollen, and extremely dented



# Foods that do not have the permission of the authority on the label should not be purchased.





#### HOME DIRECTORATE GENERAL ACTIVITIES PROJECTS CONTACT



Gıda ve Kontrol Genel Müdürlüğü > Menus



Directorate General





Projects



## The principle of "Farm to Fork Food Safety" is applied systematically in Türkiye.

#### DEPARTMENTS

Department of Plant Health and Quarantine

Department of Animal Health and Quarantine

Department of Food Establishments and Codex

Department of Veterinary Medical Products and Public Health

Department of Food Control and Laboratories

Department of Border Inspection for Plants and Plant Products

Department of Border Inspection for Animals and Animal Products

Department of Plant Protection Products

Feed Department

Risk Assessment Department

Department of Administrative Affairs and Coordination

3

 Packaged and labeled foods with mandatory label information specified in the Turkish Food Codex should be preferred.



Turkish Food Codex-Food Labeling and Consumers Information Regulation-January 26<sup>th</sup>, 2017.

Revised Guidance on Food Labeling and Consumer Information Regulation- May 8<sup>th</sup>, 2020.

 This Regulation has been prepared within the framework of harmonization with the EU legislation, taking into account the Regulation (EU-No 1169/2011) of the European Parliament and of the Council of October 25<sup>th</sup> 2011.

►B REGULATION (EU) No 1169/2011 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

of 25 October 2011

on the provision of food information to consumers, amending Regulations (EC) No 1924/2006 and (EC) No 1925/2006 of the European Parliament and of the Council, and repealing Commission Directive 87/250/EEC, Council Directive 90/496/EEC, Commission Directive 1999/10/EC, Directive 2000/13/EC of the European Parliament and of the Council, Commission Directives 2002/67/EC and 2008/5/EC and Commission Regulation (EC) No 608/2004

(Text with EEA relevance)

(OJ L 304, 22.11.2011, p. 18)

# Information that must be stated on the label according to the Turkish Food Codex

- 1.Expiry date for meat and dairy products that are perishable and need to be consumed in a short time,
  - best before date products
- 2. Special storage condition and/or usage condition
- 3.Indication of food components and allergens in the ingredient list. For example: It contains soy
- 4. Quantity (net weight)
- 5.Price

# Information that must be stated on the label according to the Turkish Food Codex

- 6.Information about the manufacturer/ importer company (name, address, etc.)
- 7. Manufacture or import permission
- 8. Nutritional labeling

(Mandatory for foods having a nutrition and health claim and for foods for special nutritional purposes such as infant formulas, sports nutrition, etc.)

#### FOOD HYGIENE













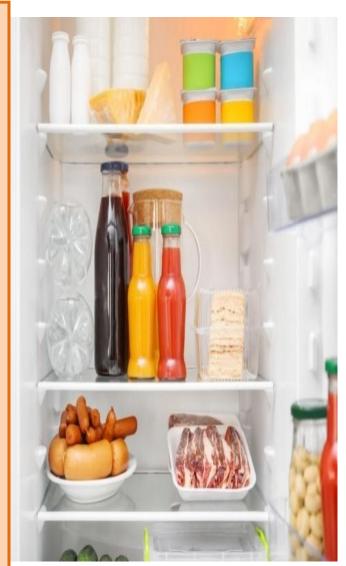
STORAGE

PREPARING/ COOKING

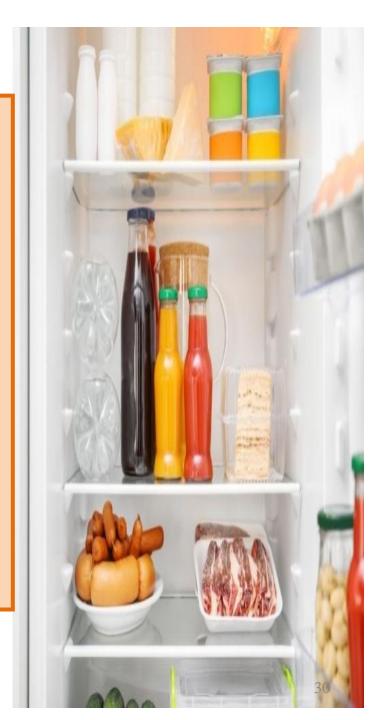
**SERVICE** 

#### FOOD STORAGE AND FOOD SAFETY PRINCIPLES

- •Foods should be stored in a cold storage, dry storage, and deep freezer.
- •Tops of pots and pans of food such as meat, minced meat, and chopped meat must be covered.
- •Raw foods should be kept separate from cooked foods to avoid cross-contamination.
- Cleaning agents, and pesticides should be stored away from food.



- •Pasteurized / UHT milk should be stored in the refrigerator after opening the package and consumed within 1-2 days.
- •Meals with meat should not be kept in the refrigerator for more than 1-2 days, and meatless meals should not be kept for more than 3-4 days.
- •Frozen foods should not be refrozen.
- Applying FIFO(First in, First Out)



### **FOOD STORAGE DEGREES AND DURATION**

FOOD	DEGREE (°C)	DURATION
Meat	0-2	3-5 days
Minced meat	0-2	1-2 days
Fish	(-1)-0	1-2 days
Egg	4-7	1 week
Cooked foods	0-2	1 day
Pasteurized milk	3-4	1 day
Fruits	4-7	2 days for strawberry – 2 weeks for apple
Vegetables (onion, potatoes)	15-20	1-2 week
Other vegetables	4-7	5 days (for green vegetables) – 2 weeks
Frozen foods	-18	3-6 months

## NON-PERISHABLE FOODS TO BE STORED IN DRY STORAGE (10-15 C)

- Cereals and cereal products (rice, flour, pasta, bulgur wheat, crackers, etc.)
- Legumes
- Dried fruits and nuts
- Onion, potatoes, garlic
- Sugar, vinegar, spices, pickle
- Unopened tomato paste and canned foods
- UHT milk, UHT fruit juice
- Oil

#### FOOD HYGIENE









PREPARING/ COOKING

**SERVICE** 

# FOOD PREPARING/COOKING AND FOOD SAFETY PRINCIPLES

- •Vegetables, fruits, dried fruits, cleaned chicken, fish, meat, and eggs should be washed thoroughly with plenty of water before used.
- •If any pest and microorganism contamination is suspected, fresh vegetables should be kept in salty or chlorinated water for 20 minutes.
- •Raw and cooked foods should be prepared in separate places or on counters.



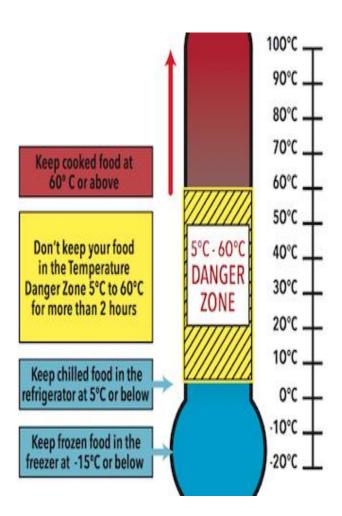
Eggs should be washed before use or broken into a separate container and checked for damage.

Suspicious foods that can cause disease, especially moldy ones, should not be eaten.



All salad ingredients and mixtures that take a long time to prepare and contain potentially risky foods should be kept at 5 °C or below.

The growth temperature of microorganisms is 5-60 °C. Therefore, the food should not be kept in this temperature range for more than 2 hours.



#### 4 SIMPLE STEPS TO FOOD SAFETY



#### Clean

Wash hands, utensils and surfaces often. Germs can spread and survive in many places.



#### Separate

Raw meat, poultry, seafood, and eggs can spread germs to ready-toeat foods, so keep them separate.



#### Cook

Cook to the right
temperature. Ensure that
foods are cooked safely by
always using a food
thermometer.



#### Chill

Refrigerate promptly.

Bacteria that cause food

poisoning multiply quickest

between 5 C- 60 C

https://www.foodsafety.gov/

#### FOOD HYGIENE

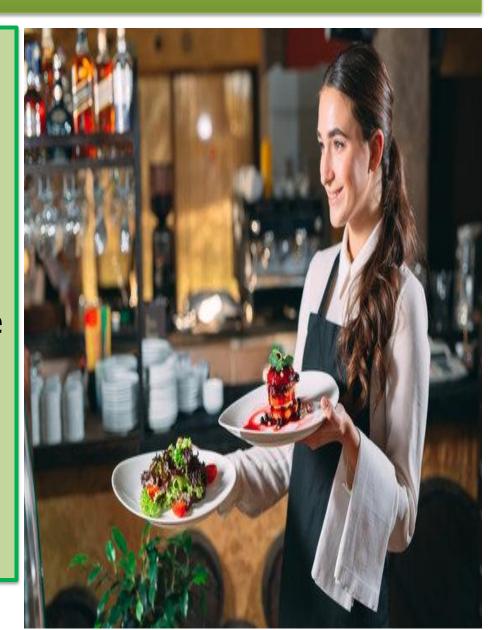




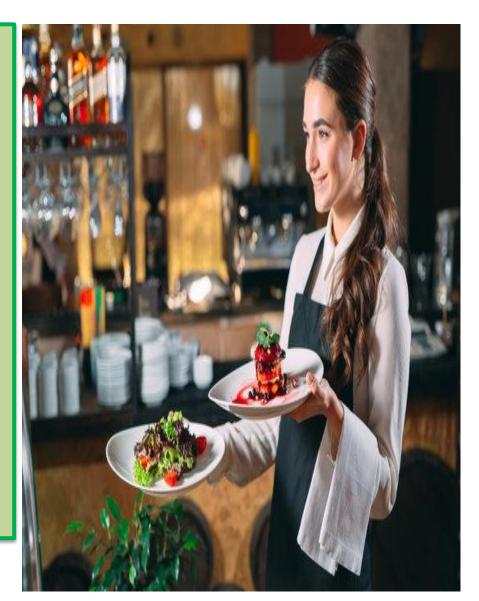
**SERVICE** 

#### FOOD SERVICE AND FOOD SAFETY PRINCIPLES

- -Make sure that the tools (plates, forks, spoons, etc.) you use for service are clean.
- -Do not use scratched, cracked, or broken tools.
- -Hold the bottom or sides of the plates and glasses without touching the rims.
- -Do not overfill food containers to prevent food from coming into contact with hands.



- -Do not use clothes to cover the food to be served.
- -Do not keep your meals for more than 2 hours at 5-60°C.
- -Never use the food that has fallen on the floor or the vehicle used in the service while preparing a meal.
- -Never cough&talk loudly over food.



## How do we ensure food safety?







One of the most important sources that contaminate food with microorganisms is

the people who prepare the food.



For this reason, people who prepare meals should pay great attention to personal hygiene.



#### SOME RULES TO PROVIDE PERSONNEL HYGIENE

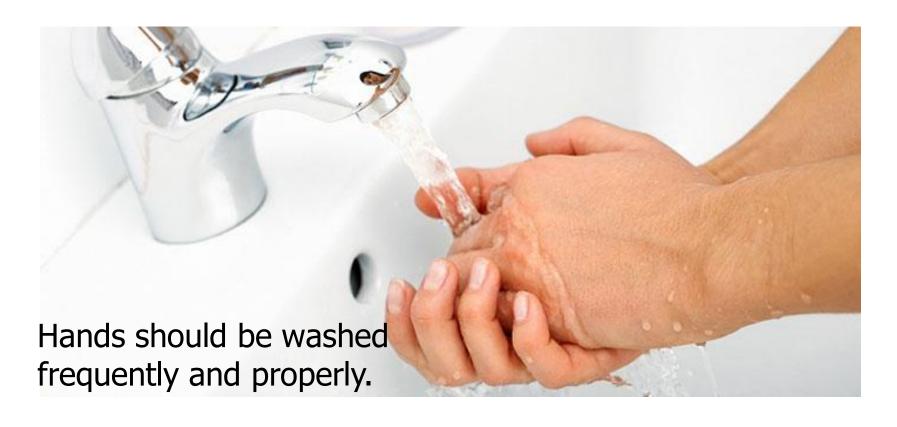
#### DO THESE!

- -Preparing, cooking, and serving food with a mask, especially illness situation
- -Working with clean hands and clothes & shoes
- -Using gloves
- -No earrings, necklaces, etc.
- -Always wearing a cap or capsneezing
- -Nails should be short and clean

#### **NOT TO DO THESE!**

- -Smoking, chewing gum while preparing, cooking, serving food
- -Working with dirty hands and clothes & shoes
- -Wearing earrings, necklaces, etc.
- Open and bleeding wound.
- -Long painted nails

# Hand cleaning is one of the key points in ensuring personal hygiene.



## Hand washing tips

















## How do we ensure food safety?







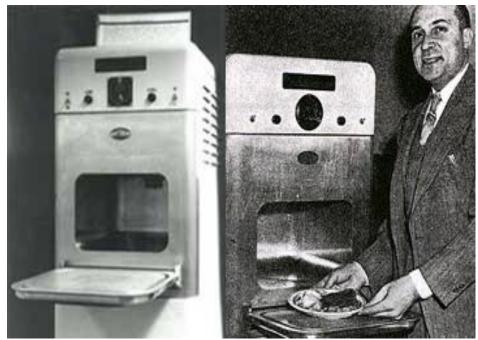
 Cleanliness and hygiene of all tools and equipment that using for storing, preparing, cooking, and serving food are very important to provide safe food.



## Thanks to technology for ensuring food safety!



The first dishwasher, 1850.



The first microwave oven, 1945.

#### SOME RULES TO PROVIDE EQUIPMENT HYGIENE..



Containers should not come into contact with high temperatures.



Metal or plastic containers should not be used to keep food.



During the washing process, the container should not be rubbed with a wire. After the food residues are softened with water, they should be cleaned with a dish sponge.



The detergent used for dishwashing should be rinsed thoroughly.



The washed dishes should be left to dry in the natural airflow.

## June 7th, World Food Safety Day!

It will draw attention and mobilize action to prevent, detect and manage foodborne risks and improve human health.



World Food Safety Day 2022 theme highlights the role that safe, nutritional food plays in ensuring human health



